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PROPOSED

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February 26, 2004

VIA FACSIMILE

The Commissioner of Patents
United States Department of Commerce
Patent & Trademark Office
Washington, D.C., 20231 U.S.A.

Attention: Examiner Dionne Harvey

Dear Examiner Harvey:

Re: US Patent Application No. 09/302,407
Title: LOUD SPEAKER
Applicant: Canadian Loudspeaker Corporation
Old Ref: 57472/3
Our Ref:

Re: Claim 47:

As per our telephone conversation of February 27, 2004, please find below a proposed amendment to claim 47 with deletions in square brackets and insertions underlined.

47. (Proposed Amendments) A loudspeaker comprising:
diaphragm assembly having a movable membrane, a voice coil former, and a voice coil formed thereon [, and a cavity defined within said membrane and said former];
a closed-backed magnetic flux path assembly having a magnet, a flux land connected in a magnetically permeable path to one pole of the magnet, and a pole piece connected in a magnetically permeable path to the other pole of the magnet;
said diaphragm assembly being mounted to said magnetic flux path assembly, and having a suspension to permit said voice coil to reciprocate relative to said magnetic flux path assembly;
said pole piece extending within at least a part of the voice coil;
said flux land being located in spaced relationship from said pole piece to define a gap therebetween for accommodating reciprocation of the voice coil, the magnet developing a magnetic flux field across the gap;
a cavity being defined between said diaphragm, said voice coil and said pole piece;

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said loudspeaker having an internal space defined between said pole piece, said magnet, and said land flux;
motion of said diaphragm compelling displacement of air between said cavity and said [enclosed] internal space; and
said flux land having venting let therethrough to permit fluid communication between said internal space and external environment; and
in use, said diaphragm being movable toward said pole piece to expel air from said cavity toward said enclosed space to compel displacement of air from said enclosed space through said venting.

The proposed amendments are as follows:

- 1) Deletion of part of line 3 and line 4. It appears that the intention of the former amendment was to re-arrange the wording of the claim to move the cavity from line 3 to line 14. However, it appears that, apparently inadvertently, the former amendment omitted to remove the cavity in line 3.
- 2) To replace "enclosed" with --- internal --- to match the antecedent in line 15

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Re: Claim 48:

In view of our discussion this morning concerning claim 48, perhaps the following wording might address your concerns:

48. (Proposed Amendment) A loudspeaker comprising:
a magnetic flux path assembly and a co-operable diaphragm;
said diaphragm having a voice coil mounted thereto;
said magnetic flux path assembly having a pole piece, and an opposed piece located in opposition to said pole piece, said pole piece and said opposed piece being spaced apart to define a gap therebetween;
said voice coil being mounted for reciprocal movement in said gap;
said pole piece having a first relief formed therealong [therein] for conducting air displaced by motion of said diaphragm, said relief having an open side facing said voice coil to permit air passing through said first relief to move beside said voice coil; and
said opposed piece having a second relief formed therein for conducting air displaced in consequence of motion of said diaphragm relative to said pole piece, said second relief [of said opposed piece] having an open side facing said voice coil to permit air passing through said second relief to move beside said voice coil.

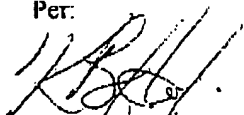
The proposed amendments are as follows:

1. Introduction of the adjectives "first" and "second" for clarity.
2. Replacement of the term "therein" with ---therealong---, as opposed to a circumferential ring leading nowhere
3. Introduction of the wording indicating that the open sides of the relief face toward the voice coil such that air flow in the first and second reliefs is beside the voice coil.

Yours very truly,

McCarthy Tétrault LLP

Per:



Ken Bousfield

KB/tr

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